

AMENDMENTS TO THE CLAIMS

LISTING OF THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. – 4. (canceled)

5. (currently amended) An isolated nucleic acid molecule comprising a nucleic acid sequence encoding a polypeptide selected from the group consisting of:

- (a) a mature form of an amino acid sequence SEQ ID NO: 54; and selected ~~from the group consisting of SEQ ID NOS:2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40, 42, 44, 46, 48, 50, 52, 54, 56, 58, 60, 62, 65, 67, 69, 71, 73, 75, 77, 79, 81, 83, 85, 87, 89, 91, 93, 95, 97, 99, 101, 103, 105, 107, 109, 111, 113, 115, 117, 119, 121, and 123;~~
- ~~(b) a variant of a mature form of an amino acid sequence selected from the group consisting of SEQ ID NOS:2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40, 42, 44, 46, 48, 50, 52, 54, 56, 58, 60, 62, 65, 67, 69, 71, 73, 75, 77, 79, 81, 83, 85, 87, 89, 91, 93, 95, 97, 99, 101, 103, 105, 107, 109, 111, 113, 115, 117, 119, 121, and 123, wherein one or more amino acid residues in said variant differs from the amino acid sequence of said mature form, provided that said variant differs in no more than 15% of the amino acid residues from the amino acid sequence of said mature form;~~
- ~~(e)(b)~~ an amino acid sequence SEQ ID NO: 54, selected ~~from the group consisting of SEQ ID NOS:2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40, 42, 44, 46, 48, 50, 52, 54, 56, 58, 60, 62, 65, 67, 69, 71, 73, 75, 77, 79, 81, 83, 85, 87, 89, 91, 93, 95, 97, 99, 101, 103, 105, 107, 109, 111, 113, 115, 117, 119, 121, and 123;~~
- ~~(d) a variant of an amino acid sequence selected from the group consisting of SEQ ID NOS:2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40, 42, 44, 46, 48, 50, 52, 54, 56, 58, 60, 62, 65, 67, 69, 71, 73, 75, 77, 79, 81, 83, 85, 87, 89, 91, 93, 95, 97, 99, 101, 103, 105, 107, 109, 111, 113, 115, 117, 119, 121, and 123, wherein one or more amino acid~~

~~residues in said variant differs from the amino acid sequence of said mature form, provided that said variant differs in no more than 15% of amino acid residues from said amino acid sequence;~~

- ~~(e) — a nucleic acid fragment encoding at least a portion of a polypeptide comprising an amino acid sequence chosen from the group consisting of SEQ ID NOS: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40, 42, 44, 46, 48, 50, 52, 54, 56, 58, 60, 62, 65, 67, 69, 71, 73, 75, 77, 79, 81, 83, 85, 87, 89, 91, 93, 95, 97, 99, 101, 103, 105, 107, 109, 111, 113, 115, 117, 119, 121, and 123, or a variant of said polypeptide, wherein one or more amino acid residues in said variant differs from the amino acid sequence of said mature form, provided that said variant differs in no more than 15% of amino acid residues from said amino acid sequence; and~~
- ~~(f) — a nucleic acid molecule comprising the complement of (a), (b), (c), (d) or (e).~~

6. – 8. (canceled)

9. (currently amended) The nucleic acid molecule of claim 5, wherein said the nucleic acid molecule comprises a nucleotide sequence SEQ ID NO: 53. ~~selected from the group consisting of~~

- ~~(a) — a nucleotide sequence selected from the group consisting of SEQ ID NOS: 1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 25, 27, 29, 31, 33, 35, 37, 39, 41, 43, 45, 47, 49, 51, 53, 55, 57, 59, 61, 63, 64, 66, 68, 70, 72, 74, 76, 78, 80, 82, 84, 86, 88, 90, 92, 94, 96, 98, 100, 102, 104, 106, 108, 110, 112, 114, 116, 118, 120, and 122;~~
- ~~(b) — a nucleotide sequence differing by one or more nucleotides from a nucleotide sequence selected from the group consisting of SEQ ID NOS: 1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 25, 27, 29, 31, 33, 35, 37, 39, 41, 43, 45, 47, 49, 51, 53, 55, 57, 59, 61, 63, 64, 66, 68, 70, 72, 74, 76, 78, 80, 82, 84, 86, 88, 90, 92, 94, 96, 98, 100, 102, 104, 106, 108, 110, 112, 114, 116, 118, 120, and 122, provided that no more than 20% of the nucleotides differ from said nucleotide sequence;~~

- (c) ~~— a nucleic acid fragment of (a); and~~
(d) ~~— a nucleic acid fragment of (b).~~
10. (currently amended) The nucleic acid molecule of ~~claim 5~~ claim 9, wherein ~~said the~~ nucleic acid molecule hybridizes under stringent conditions to a nucleotide sequence of SEQ ID NO: 53, ~~chosen from the group consisting of SEQ ID NOS:1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 25, 27, 29, 31, 33, 35, 37, 39, 41, 43, 45, 47, 49, 51, 53, 55, 57, 59, 61, 63, 64, 66, 68, 70, 72, 74, 76, 78, 80, 82, 84, 86, 88, 90, 92, 94, 96, 98, 100, 102, 104, 106, 108, 110, 112, 114, 116, 118, 120, and 122, or a complement of said nucleotide sequence.~~
11. (currently amended) The An isolated nucleic acid molecule comprising the complement of the nucleic acid molecule of claim 5, ~~wherein the nucleic acid molecule comprises a nucleotide sequence selected from the group consisting of~~
- (a) ~~— a first nucleotide sequence comprising a coding sequence differing by one or more nucleotide sequences from a coding sequence encoding said amino acid sequence, provided that no more than 20% of the nucleotides in the coding sequence in said first nucleotide sequence differ from said coding sequence;~~
- (b) ~~— an isolated second polynucleotide that is a complement of the first polynucleotide; and~~
- (c) ~~— a nucleic acid fragment of (a) or (b).~~
12. (currently amended) A vector comprising the nucleic acid molecule of ~~claim 11~~ claim 5.
13. (original) The vector of claim 12, further comprising a promoter operably-linked to said nucleic acid molecule.
14. (original) A cell comprising the vector of claim 12.
15. – 29. (canceled)

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30. (currently amended) A ~~pharmaceutical~~ composition comprising the nucleic acid molecule of claim 5 and a pharmaceutically-acceptable carrier.

31. – 41. (canceled)